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## NOTICE OF ALLOWANCE AND FEE(S) DUE

4955 7590 03/23/2010

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BRADFORD GREEN, BUILDING 5  
755 MAIN STREET, P O BOX 224  
MONROE, CT 06468

EXAMINER

GONZALES, APRIL GUZMAN

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 03/23/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,770	03/28/2006	Kimmo Laiho	915-002.010	3998

TITLE OF INVENTION: EXTENSION DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/23/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

4955 7590 03/23/2010

WARE FRESSOLA VAN DER SLUYSEN & ADOLPHSON, LLP  
 BRADFORD GREEN, BUILDING 5  
 755 MAIN STREET, P O BOX 224  
 MONROE, CT 06468

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or by facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,770	03/28/2006	Kimmo Laiho	915-002.010	3998

TITLE OF INVENTION: EXTENSION DEVICE

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/23/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
GONZALES, APRIL GUZMAN	2618	455-041200

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys

or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

## 4a. The following fee(s) are submitted:

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies \_\_\_\_\_

A check is enclosed.

Payment by credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS; SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/573,770	03/28/2006	Kimmo Laiho	915-002-010	3998
4955	7590	03/23/2010		
WARE FRESSOLA VAN DER SLUYS & ADOLPHSON, LLP				EXAMINER
BRADFORD GREEN, BUILDING 5				GONZALES, APRIL GUZMAN
755 MAIN STREET, P O BOX 224				ART UNIT
MONROE, CT 06468				PAPER NUMBER
				2618
				DATE MAILED: 03/23/2010

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b> 10/573,770	<b>Applicant(s)</b> LAIHO ET AL.
	<b>Examiner</b> APRIL G. GONZALES	<b>Art Unit</b> 2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 12/22/2009.
2.  The allowed claim(s) is/are 1-38.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftperson's Patent Drawing Review ( PTO-948) attached 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date See Continuation Sheet
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

/APRIL G. GONZALES/  
Examiner, Art Unit 2618

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 03/28/06, 05/15/06, 05/07/07, 07/05/07.

## **DETAILED ACTION**

### ***Response to Amendment***

The Examiner acknowledges the receipt of the Applicant's amendment filed on 12/22/2009. Claims 1, 18, and 22 have been amended. **Claims 1-38** are therefore currently pending in the present application.

### ***Response to Arguments***

Applicant's arguments respect to claims 1-38 have been fully considered and are persuasive. The rejection of claims 1-38 has been withdrawn. However, upon further search and consideration, claims 1-38 are now allowed.

### ***Allowable Subject Matter***

Claims 1-38 are allowed.

The following is an examiner's statement of reasons for allowance:

Consider claim 1, the best prior art found on record during the examination of the present application Hwangbo et al. (US PGPUB 2003/0192061 A1) herein referred to as Hwangbo, fails to specifically teach, suggest, or disclose a device comprising:

an interface adapted to receive a signal carrying an internet protocol datacast from a digital video broadcasting network received via an antenna; and

a loop or coil configured to couple inductively with a corresponding loop or coil included in-+be-in a mobile terminal so as to transmit the signal to the mobile terminal,

the device adapted to convey signals unidirectionally from the interface to the mobile terminal.

Hwangbo teaches one set-top box 30 and a plurality of TVs 40, 44, 48, and 52 are installed in predetermined range such as a home network area. The set-top box 30 includes an RF transmitter 34 for radio-transmitting digital broadcast data to many TVs 40, 44, 48, and 52, a Bluetooth module 32 for making local area radio communication with a Bluetooth remote controller 36 mainly positioned in the vicinity of the plurality of TVs 40, 44, 48, and 52 ([0024]). The set-top box 30 includes a DTV (Digital Television) tuner 60, an 8-VSB (Vestigial Side Band) demodulator 62, a plurality of transport demultiplexers (DEMUXs) 64-1, 64-2, . . . , 64-n, a microprocessor 66, a memory having a program guide database, a plurality of single program decoders 70-1, 70-2, . . . , 70-n, a multiplexer (MUX) 72, a user interface 74, a Bluetooth module 32, and an RF transmitter 34. A common set-top box includes an NIU (Network Interface Unit), a microprocessor, a memory, an MPEG (Moving Picture Expert Group) decoder, audio/video signal output parts, and a user interface ([0026]).

These teachings clearly differ from the claimed invention, therefore claim 1, is considered novel and non-obvious over the prior art and therefore is allowed.

Claims 2-17, and 32-38 depend upon allowable claim 1, therefore these claims are also allowed for the reasons explained above in view of Hwangbo.

Consider claim 18, the best prior art found on record during the examination of the present application Hwangbo et al. (US PGPUB 2003/0192061 A1) herein referred to as Hwangbo, fails to specifically teach, suggest, or disclose device comprising:

means for receiving a signal carrying a internet protocol datacast from a digital video broadcasting network received via an antenna; and

inductive coupling means configured to couple inductively with a corresponding inductive coupling means included in a mobile terminal so as to transmit the signal to the mobile terminal,

the device adapted to convey signals unidirectionally from the interface to the mobile terminal.

Hwangbo teaches one set-top box 30 and a plurality of TVs 40, 44, 48, and 52 are installed in predetermined range such as a home network area. The set-top box 30 includes an RF transmitter 34 for radio-transmitting digital broadcast data to many TVs 40, 44, 48, and 52, a Bluetooth module 32 for making local area radio communication with a Bluetooth remote controller 36 mainly positioned in the vicinity of the plurality of TVs 40, 44, 48, and 52 ([0024]). the set-top box 30 includes a DTV (Digital Television) tuner 60, an 8-VSB (Vestigial Side Band) demodulator 62, a plurality of transport demultiplexers (DEMUXs) 64-1, 64-2, . . . , 64-n, a microprocessor 66, a memory having a program guide database, a plurality of single program decoders 70-1, 70-2, . . . , 70-n, a multiplexer (MUX) 72, a user interface 74, a Bluetooth module 32, and an RF transmitter 34. A common set-top box includes an NIU (Network Interface Unit), a microprocessor, a memory, an MPEG (Moving Picture Expert Group) decoder, audio/video signal output parts, and a user interface ([0026]).

These teachings clearly differ from the claimed invention, therefore claim 18, is considered novel and non-obvious over the prior art and therefore is allowed.

Claims 19-21 depend upon allowable claim 18, therefore these claims are also allowed for the reasons explained above in view of Hwangbo.

Consider claim 22, the best prior art found on record during the examination of the present application Hwangbo et al. (US PGPUB 2003/0192061 A1) herein referred to as Hwangbo, fails to specifically teach, suggest, or disclose a method comprising:

receiving a signal carrying an internet protocol datacast from a digital video broadcasting network; and

providing said signal to a loop or coil configured to couple inductively with a corresponding loop or coil included in a mobile terminal so as to transmit the signal to the mobile terminal,

the method comprising conveying signals unidirectionally from the interface to the mobile terminal.

Hwangbo teaches one set-top box 30 and a plurality of TVs 40, 44, 48, and 52 are installed in predetermined range such as a home network area. The set-top box 30 includes an RF transmitter 34 for radio-transmitting digital broadcast data to many TVs 40, 44, 48, and 52, a Bluetooth module 32 for making local area radio communication with a Bluetooth remote controller 36 mainly positioned in the vicinity of the plurality of TVs 40, 44, 48, and 52 ([0024]). The set-top box 30 includes a DTV (Digital Television) tuner 60, an 8-VSB (Vestigial Side Band) demodulator 62, a plurality of transport demultiplexers (DEMUXs) 64-1, 64-2, . . . , 64-n, a microprocessor 66, a memory having a program guide database, a plurality of single program decoders 70-1, 70-2, . . . , 70-n, a multiplexer (MUX) 72, a user interface 74, a Bluetooth module 32, and an RF transmitter 34. A common set-top box includes an NIU (Network

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Interface Unit), a microprocessor, a memory, an MPEG (Moving Picture Expert Group) decoder, audio/video signal output parts, and a user interface ([0026]).

These teachings clearly differ from the claimed invention, therefore claim 22, is considered novel and non-obvious over the prior art and therefore is allowed.

Claims 23-31 depend upon allowable claim 22, therefore these claims are also allowed for the reasons explained above in view of Hwangbo.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

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**Hand-delivered responses** should be brought to

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Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to April G. Gonzales whose telephone number is 571-270-1101. The examiner can normally be reached on Monday - Friday, 10:00 a.m. - 6:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/April G. Gonzales/  
Examiner, Art Unit 2618

/Matthew D. Anderson/  
Supervisory Patent Examiner, Art Unit 2618